

To: VanStempvoort, Dale (EC)[dale.vanstempvoort@canada.ca]; Norman G Grannemann[nggranne@usgs.gov]
Cc: Kumar, Ashij (EC)[ashij.kumar@canada.ca]; Schardt, James[schardt.james@epa.gov]
From: Grannemann, Norman
Sent: Tue 4/19/2016 2:38:12 AM
Subject: Re: PRP report for Annex 8

Hi Dale and others,
 How does this sound?
 Best regards.
 Norm

"The State of Michigan has developed a water withdrawal assessment tool that evaluates the effect of large water withdrawals, including groundwater, on fish habitat in streams. The assessment tool has been used in Michigan for several years and is being evaluated by a few other Great Lakes States for possible implementation. Understanding the effects of groundwater withdrawal on stream habitat is an important consideration for the GLWQA."

On Mon, Apr 18, 2016 at 10:10 AM, VanStempvoort, Dale (EC)
 <dale.vanstempvoort@canada.ca> wrote:

Norm,

Would it be possible to include a reference to that gw withdrawals project, with a final statement indicating how this work relates to our Annex mandate. If this would be challenging, then seems best to not include.

Dale

From: Norman Grannemann [mailto:nggranne@usgs.gov]
Sent: April 18, 2016 10:01 AM
To: VanStempvoort, Dale (EC); Kumar, Ashij (EC); Schardt, James
Subject: RE: PRP report for Annex 8

Thank you Dale and Ash,

I'm glad you commented on the OGS paragraph as that is more in line with your work. I like water quality and geochemistry better. Regarding State efforts, there is some work on groundwater withdrawals for the Great Lakes Compact but I am concerned that this could be misinterpreted as linking quality and quantity. Thoughts?

Norm

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: "VanStempvoort, Dale (EC)" <dale.vanstempvoort@canada.ca>

Date: 04/18/2016 9:51 AM (GMT-05:00)

To: "Kumar, Ashij (EC)" <ashij.kumar@canada.ca>, "Grannemann, Norman"

<nggranne@usgs.gov>, "Schardt, James" <schardt.james@epa.gov>

Subject: RE: PRP report for Annex 8

Thanks Norm and Ash. I think this is getting close and would be acceptable as a draft. A few comments / considerations, the first two for Norm specifically:

- In the write-up for GSC, OGS, for the phrase "hydro and geochemistry", perhaps change to "hydro- and geochemistry or "water quality and geochemistry" or other as appropriate. The term "hydro" would be potentially misunderstood.
- What about state agency activities, any ones to mention / highlight?
- Would like to give Scott a chance to comment on the Ontario activities
- Will work with John Spoelstra to possibly add a sentence or two on EC research activities in Georgian Bay area

I'll share this draft with Scott try to have an update later today for the last one or two points.

Dale

From: Kumar, Ashij (EC)
Sent: April 18, 2016 9:33 AM

To: Grannemann, Norman; VanStempvoort, Dale (EC); Schardt, James
Subject: RE: PRP report for Annex 8

Looks good. I cleaned up everything and just replaced the reference to "Annex 10" with "Science Annex Subcommittee" near the end. If there are no more changes required is this good for the version to be submitted to the Secretariat?

Ash

From: Grannemann, Norman [<mailto:nggranne@usgs.gov>]
Sent: April 15, 2016 3:43 PM
To: VanStempvoort, Dale (EC); Kumar, Ashij (EC); Norman G Grannemann; Schardt, James
Subject: PRP report for Annex 8

Hi Dale, Ash, and Jamie,

Here is a start on the PRP report for Annex 8. Please let me know your thoughts about the document.

I hope everyone is doing fine.

Best regards.

Norm

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